

## CLAIMS

- Sub B2
- 5 1. Process for the preparation of gas-actuated car safety devices of the type of air bags, safety-belt tighteners, inflatable neck supports and similar devices, from which the chemicals used as gas-generating substances can be recovered, if the device
- 10 has not seen active use, after removing the car safety device from its original position when its normal service life has expired, characterized in that a pyrotechnical material comprising guanidine dinitramide, which can be recrystallized from water, is
- 15 used as a gas-releasing substance in these car safety devices.
2. Process according to Claim 1 for making car safety devices whose chemical substances can be recovered after their normal service life is finished,
- 20 characterized in that the gas-releasing material is guanidine dinitramide, whose rate of burning is adjusted to the required value by admixing a suitable amount of guanyl urea dinitramide to it.
- Sub A1
3. Process according to Claim 1 or 2 for recovering
- 25 the said chemicals, guanidine dinitramide and guanyl urea dinitramide, characterized in that this is done by low-temperature crystallization from water at various temperatures.
4. Pyrotechnical gas-generating substances for gas-
- 30 actuated car safety devices such as air bags, safety-belt tighteners, etc., made according to the process specified in Claims 1-3, characterized in that they contain guanidine dinitramide as the gas-forming substance.
- Sub B3
- 35 5. Pyrotechnical gas-generating substances according to Claim 4, characterized in that their main component is guanidine dinitramide, whose rate of burning is regulated to obtain the required value by admixing a suitable amount of guanyl urea dinitramide.

Sub A2

6. Pyrotechnical gas-generating substances according to Claims 4 and 5, characterized in that they comprise more than 50 wt-% of guanidine dinitramide.

7. Pyrotechnical gas-generating substances according  
5 to Claims 4-6, characterized in that they are used in  
the form of pressed tablets, prepared possibly with a  
binder whose total amount does not exceed 10 wt-%.

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